

## SEQUENCE LISTING

<110> TRANSGENE S.A.

<120> Poxvirus with targeted infection specificity

<130> D18836

<150> EP 00 44 0109

<151> 2000-04-14

<150> EP 01 44 0009

<151> 2001-01-22

<150> US 60/246 080

<151> 2000-11-07

<160> 21

<170> PatentIn Ver. 2.1

<210> 1

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:PCR primer to  
amplify the MVA 138L gene and flanking region

<400> 1

cagactggac ggcgtccata tgag

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<221> gene

<222> Complement((1)..(61))

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<223> Description of Artificial Sequence: antisens PCR  
primer to amplify the 3' end of MVA 138L gene and  
3' flanking region

<400> 2

catttttttaa gtatagaata aaagatcccg ggagtaccat cgtgattctt accagatatt 60  
a 61

<210> 3

<211> 61

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<223> Description of Artificial Sequence: PCR primer to  
amplify E. coli gpt gene and H5R promoter

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<221> gene

<222> (1)..(61)

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g 61

<210> 4

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: antisense PCR  
primer to amplify E. coli GPT gene and pH5R  
promoter

<400> 4

ggggttaatt aaggaagtta aaaagaacaa cgccc 35

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR primer to  
amplify the upstream region of MVA 138L gene.

<400> 5

gggggaattc gagcttatag cgtttagttc aggtacgg 38

<210> 6

<211> 44

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: antisense PCR  
primer to amplify the upstream region of the MVA  
138L gene

<400> 6

gggggaagctt ttaaagtaca gattttagaa actgacactc tgcg 44

<210> 7

<211> 68

<212> DNA

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<223> Description of Artificial Sequence: antisense  
primer to amplify the upstream region of the MVA  
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ccacgaac 68

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<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR primer to  
amplify the MVA 138L gene and its downstream  
region

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<210> 9

<211> 37

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<223> Description of Artificial Sequence: antisense PCR  
primer to amplify the MVA 138L gene and its  
downstream region

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<223> Description of Artificial Sequence: PCR primer to  
amplify SM3 scFv sequence

<400> 10

cgcagagtgt cagtttctaa aatctgtact ttaaattggtg cagctgcagg agtctggagg 60  
aggcttgg 68

<210> 11

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<223> Description of Artificial Sequence: antisense PCR primer to amplify the SM3 scFv sequence

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<210> 12

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<223> Description of Artificial Sequence: PCR primer to amplify the SM3 scFv sequence

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<211> 111

<212> DNA

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<223> Description of Artificial Sequence: sequence of the synthetic p11k7.5 promoter

<400> 13

ataaaaaatat agtagaattt catttgtttt tttctatgct ataaatagga tccgataaag 60  
tgaaaaataa ttctaattta ttgcacgga aggaagtaga atcataaaga a 111

<210> 14

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<212> DNA

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<223> Description of Artificial Sequence: PCR primer to amplify the p11k7.5 promoter

<400> 14

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<223> Description of Artificial Sequence: antisense PCR primer to amplify the p11k7.5 promoter

<400> 15  
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<210> 16  
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<210> 17  
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<210> 18  
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<400> 18  
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<210> 19  
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 amplify the 5' F13L flanking region of MVA

<400> 19  
 tttcgaattc ggaatctgta ttctcaatac cg

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<210> 20  
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<223> Description of Artificial Sequence: PCR primer to  
amplify the 3' F13L flanking region of MVA

<400> 20

atctgaattc gtggagatga tgatagttta agc

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<210> 21  
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<223> Description of Artificial Sequence: antisense PCR  
primer to amplify the 3' F13L flanking region of  
MVA

<400> 21

aacaggatcc cttatacatc ctgttctatc aacg

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